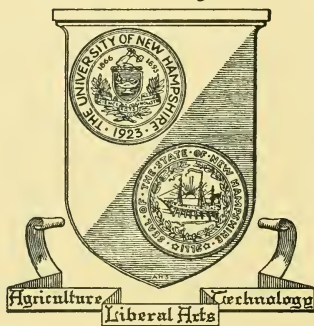




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NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Department of Agronomy

Results of Seed Tests for 1952

Made for the
STATE DEPARTMENT OF AGRICULTURE



By BESSIE G. SANBORN

THE UNIVERSITY OF NEW HAMPSHIRE
DURHAM, N. H.

RESULTS OF SEED TESTS

Made July 1, 1951, to June 30, 1952

This report contains the results of the seed inspection work for the State Department of Agriculture of 690 official samples collected throughout the state during the period from July 1, 1951, to June 30, 1952, by Mr. George H. Laramie, Seed Control Supervisor, and Mr. Harold Ayer, Inspector. In addition to these official samples, 1583 private samples were analyzed, making a total of 2273 samples inspected.

Wholesalers are listed in alphabetical order except when samples are presumed to have been carried over, in which case they are listed alphabetically by dealers. The New Hampshire seed law requires that both agricultural and vegetable seeds must be labeled with the calendar month and year when last tested for germination, and requires that this germination test shall have been completed within nine months of being offered for sale. In the following tables, if the date of test was within the prescribed nine months, the sample is marked satisfactory, "S" in this respect; if no date was given, the word "None" appears indicating a violation; if the date was a violation of the law because the test was not made within nine months, the date given on the tag or label appears in that column.

The first part of the report deals with 187 samples of agricultural seed tested for purity, germination and noxious weed content. There is a tolerance or allowable variation from the guarantee for both purity and germination, in accordance with the Rules for Seed Testing adopted by the Association of Official Seed Analysts, so that, for instance a sample of timothy guaranteed 99.20 for purity and 85% for germination could test as low as 98.25% for purity and 77% for germination and be "satisfactory." If a sample when tested for purity falls within the allowable variation, it is marked "S" (satisfactory); if below the allowable variation, and therefore a violation, the actual figure found for purity is given. The same is true for germination in the case of agricultural seeds.

The second part of the report applies to 503 samples of vegetable seeds which were tested for germination only. The New Hampshire seed law requires that unless each packet or other container is plainly marked "Below Standard" together with the percentage of germination, vegetable seeds must test up to the prescribed standard for that kind of seed, and that there is no tolerance from the adopted standards. In the column headed "Found" if the same was up to standard, an "S" (satisfactory) appears. The exception to this is in the case of a given sample being marked with a guarantee, which is not required if vegetable seed is up to standard; then, if the seed is found to be below the regular tolerance from that guaranteed figure, the figure found upon test followed by "+" is listed as "misabeled" even though it might in some cases be up to standard.

The New Hampshire seed law and the rules and regulations thereunder, including the germination standards for vegetable seed, follow:

STATE OF NEW HAMPSHIRE

CHAPTER 224, REVISED LAWS (As inserted by Chapter 54 Laws of 1943)

AN ACT

To Regulate the Labeling, Sale and Offering or Exposing for Sale, of
Agricultural and Vegetable Seeds.

Agricultural and Vegetable Seeds

1. **Definitions.** Terms used in this chapter shall be construed as follows:

I. The term "agricultural seeds" shall include the seeds of grass, forage, cereal and fiber crops and any other kinds of seeds commonly recognized within this state as agricultural or field seeds, and mixtures of such seeds.

II. The term "vegetable seeds" shall include the seeds of those crops which are grown in gardens or on truck farms and are generally known and sold under the name of vegetable seeds in this state.

III. The term "weed seeds" shall include the seeds of all plants generally recognized as weeds within this state, and shall include noxious weed seeds.

IV. Noxious weed seeds shall be divided into two classes, "primary noxious weed seeds" and "secondary noxious weed seeds" as herein defined; provided, that the commissioner of agriculture may add to or subtract from the list of seeds included under either definition whenever he finds that such additions or subtractions are within the respective definitions.

V. "Primary noxious weed seeds" shall include the seeds of perennial weeds such as those that reproduce and spread by underground roots or stems as well as by seed, and which, when established, are highly destructive and difficult to control in this state by ordinary good cultural practice. Primary noxious weed seeds in this state are the seeds of: Canada thistle (*Cirsium arvense*), field bindweed (*Convolvulus arvensis*), and quackgrass (*Agropyron repens*).

VI. "Secondary noxious weed seeds" shall include the seeds of such weeds as are very objectionable in field, lawns, or gardens of this state, but can be controlled by good cultural practices. The secondary noxious weed seeds in this state are the seeds of: dodder (*Cuscuta* spp.) and crab grass (*Digitaria sanguinalis*).

VII. The term "labeling" includes all labels, and other written, printed, or graphic representations, in any form whatsoever, accompanying and pertaining to any seed whether in bulk or in containers, and includes invoices.

VIII. The term "advertisement" means all representations, other than those on the label, disseminated in any manner or by any means, relating to seed within the scope of this chapter.

2. **Label Requirement.** Each separate container of agricultural or vegetable seed, including seeds in small packets, which is sold, offered for sale, or exposed for sale, within this state for sowing purposes shall bear thereon or have attached thereto in a conspicuous place a plainly written or printed label or tag in the English language, giving the information as set forth in sections 3 and 4.

3. **Agricultural Seeds.** For agricultural seeds the following is required:

I. Commonly accepted name of kind, or kind and variety, of each agricultural seed component in excess of five per cent of the whole and the percentage by weight of each. Where more than one component is required to be named, the word "mixture" or "mixed" shall be associated with the name on the label.

II. Lot number or other lot identification.

III. Origin, if known, of alfalfa, red clover and field corn (except hybrid corn). If the origin is unknown, that fact shall be stated.

IV. Percentage by weight of all weed seeds, including those known as noxious weeds.

V. Secondary noxious weeds. The name and approximate number of each kind of secondary noxious weed seed, per ounce in groups (A) and (B) and per pound in groups (C) and (D), when present singly or collectively in excess of—

(A) One seed or bulblet in each 5 grams of *Agrostis* spp., *Poa* spp., Rhodes grass, Bermuda grass, timothy, orchard grass, fescues (except meadow fescue), alsike and white clover, reed canary grass, Dallis grass, and other agricultural seeds of similar size and weight, or mixtures within this group;

(B) One seed or bulblet in each 10 grams of ryegrass, meadow fescue, foxtail millet, alfalfa, red clover, sweetclovers, lespedezas, smooth brome, crimson clover, *Brassica* spp., flax, *Agropyron* spp., and other agricultural seeds of similar size and weight, or mixtures within this group, or of this group with (A);

(C) One seed or bulblet in each 25 grams of proso, Sudan grass and other agricultural seeds of similar size and weight, or mixtures not specified in (A), (B), or (D);

(D) One seed or bulblet in each 100 grams of wheat, oats, rye, barley, buckwheat, sorghums (except Sudan grass), vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group.

All determinations of noxious weed seeds are subject to tolerances and methods of determination prescribed in the rules and regulations under this chapter.

VI. Percentage by weight of agricultural seeds other than those required to be named on the label.

VII. Percentage by weight of inert matter.

VIII. For each named agricultural seed, percentage of germination, exclusive of hard seed, percentage of hard seed, if present, and the calendar month and year the test was completed to determine such percentages.

IX. Name and address of the person who labeled said seed, or who sells, offers, or exposes said seed for sale within this state.

4. **Vegetable Seeds.** For vegetable seeds, the following is required:

I. Name of kind and variety of seeds, and the calendar month and year when last tested for germination.

II. For seeds which germinate less than the standard last established by the commissioner of agriculture hereunder, and in type not smaller than ten point size: percentage of germination exclusive of hard seed; percentage of hard seed, if present; and the words, "below standard."

III. Name and address of the person who labeled said seed, or who sells, offers or exposes said seed for sale within this state.

5. **Illegal Sales.** It shall be unlawful for any person to sell, offer for sale or expose for sale any agricultural or vegetable seed within this state:

I. Unless the test to determine the percentage of germination required by sections 3 and 4 shall have been completed within a nine-month period, exclusive of the calendar month in which the test was completed, immediately prior to sale, exposure for sale, or offering for sale or transportation.

II. Not labeled in accordance with the provisions hereof, or having a false or misleading labeling.

III. Pertaining to which there has been a false or misleading advertisement.

IV. Any agricultural seeds containing any primary noxious weed seeds except as may be allowed under tolerances prescribed in the rules and regulations hereunder.

6. **Prohibitions.** It shall be unlawful for any person within this state:

I. To detach, alter, deface, or destroy any label provided for herein or the rules and regulations made and promulgated hereunder, or to alter or substitute seed, in a manner that may defeat the purposes hereof.

II. To disseminate any false or misleading advertisement concerning agricultural or vegetable seed in any manner or by any means.

III. To hinder or obstruct in any way any authorized person in the performance of his duties hereunder.

IV. To fail to comply with a "stop sale" order.

7. **Exemptions.** The provisions of sections 2 to 6, inclusive, do not apply to seed or grain not intended for sowing purposes, nor to seed in

storage in, or consigned to, a seed cleaning or processing establishment for cleaning or processing, provided, that any labeling or other representation which may be made with respect to the unclean seed shall be subject to the provisions hereof.

8. **Exceptions.** No person shall be subject to the penalties hereof for having sold, offered or exposed for sale in this state any agricultural or vegetable seeds, which were incorrectly labeled or represented as to kind, variety, or origin which seeds cannot be identified by examination thereof, unless he has failed to take all proper precautions to insure the identity to be that stated in accordance with rules and regulations hereunder.

9. **Duties and Authority of Commissioner of Agriculture.** The commissioner of agriculture, who may act through his authorized agents, shall have the power:

I. To sample, inspect, make analyses of, and test, agricultural and vegetable seeds transported, sold, offered or exposed for sale within this state for sowing purposes, at such time and place and to such extent as he may deem necessary to determine whether said agricultural or vegetable seeds are in compliance with the provisions hereof, and to notify promptly the person who transported, sold, offered or exposed the seed for sale, of any violation.

II. To prescribe, and after public hearing to adopt, rules and regulations governing the methods of sampling, inspecting, analysis, tests, and examination of agricultural and vegetable seed, and the tolerances to be followed in the administration hereof, which shall be in general accord with officially prescribed practice in interstate commerce, and such other rules and regulations as may be necessary to secure the efficient enforcement hereof.

III. To enter upon any public or private premises during regular business hours in order to have access to seeds subject to this chapter and the rules and regulations promulgated hereunder.

IV. To issue written or printed "stop sale" orders which shall prohibit further sale of any lot of agricultural or vegetable seed which the commissioner has reason to believe is in violation of any of the provisions hereof until the law has been complied with or said violation otherwise legally disposed of: Provided, that no "stop sale" order shall be issued or attached to any lot of seed without first giving the owner or custodian of such seed an opportunity to comply with the law or to withdraw the seed from sale.

V. To establish and maintain or make provision for seed testing facilities, to employ qualified persons, and to incur such expenses as may be necessary to comply with these provisions.

VI. To make or provide for making purity and germination tests of seeds for farmers and dealers on request; to prescribe rules and regulations governing such testing; and to fix and collect charges for the tests made. All fees collected hereunder shall be paid over by the commissioner to the

state treasurer who shall keep the same in a special fund to be used only for the purposes of this chapter.

VII. To cooperate with the United States Department of Agriculture in seed law enforcement.

10. **Seizure.** Upon the recommendation of the commissioner of agriculture or his duly authorized agents, the court of competent jurisdiction in the area in which the seed is located shall cause the seizure and subsequent denaturing, processing, or destruction to prevent the use for sowing purposes of any lot of agricultural or vegetable seed found to be unfit for sowing purposes: Provided, that in no instances shall the denaturing, processing, or destruction be ordered without first having given the claimant of said seed an opportunity to apply to said court for the release of said seed.

11. **Penalties.** Whoever violates any of the provisions of this chapter or any rule or regulation promulgated hereunder shall be fined not exceeding one hundred dollars for the first offense and not exceeding two hundred and fifty dollars for each subsequent offense. Fines collected hereunder shall be paid, by the court collecting the same, to the commissioner of agriculture and by him forwarded to the state treasurer for the use of the state.

12. **Publication.** The commissioner of agriculture shall publish, or cause to be published, the results of tests and analyses of samples of agricultural and vegetable seeds, as herein provided, together with the names and addresses of the persons from whom the samples of seed were obtained. He may publish such other information as he may deem advisable concerning the value, character and use of certain seeds.

13. **Takes Effect.** This act shall take effect upon its passage.
Approved March 10, 1943.

RULES AND REGULATIONS

Sampling.

(a) In order to secure a representative sample, equal portions shall be taken from evenly distributed parts of the quantity of seed to be sampled. Access shall be had to all parts of that quantity.

(b) For free-flowing seed in bags or bulk, a probe or trier shall be used. For small free-flowing seed in bags, a probe or trier long enough to sample all portions of the bag should be used.

(c) Non-free-flowing seed, such as certain grass seed, uncleaned seed, or screenings, difficult to sample with a probe or trier, shall be sampled by thrusting the hand into the bulk and withdrawing representative portions.

(d) The portions shall be combined into a composite sample or samples.

(e) As the seed is sampled, each portion shall be examined, and, whenever there appears to be a lack of uniformity, additional samples shall be taken to show such lack of uniformity as may exist.

Bulk seeds shall be sampled by inserting a long probe or thrusting the hand into the bulk as circumstances require in several uniformly distributed parts of the quantity being sampled.

Bags. (1) In quantities of five bags or less, each bag shall be sampled.

(2) In quantities of more than five bags, at least every fifth bag but not less than five bags shall be sampled. Samples shall be drawn from unopened bags except under circumstances where the identity of the seed has been preserved.

In sampling packet seeds, entire unopened packets shall be taken.

Size of sample. The following are minimum weights of samples of seed to be submitted for analysis, test, or examination:

(1) Two ounces of grass seed not otherwise mentioned, white or alsike clover, or seeds not larger than these.

(2) Five ounces of red or crimson clover, alfalfa, ryegrass, brome-grasses, millet, flax, rape, or seeds of similar size.

(3) Two pounds of cereals, vetches, or seeds of similar or larger size.

(4) Two quarts of screenings.

Analysis.

The New Hampshire seed laboratory will be guided in making purity and germination tests by the rules and regulations prescribed under the Federal Seed Act.

Tolerance.

Owing to the natural variation between tests, the following tolerances shall be allowed between the percentages found by analysis, test or examination and the percentages stated on the tag accompanying the seed:

For purity: Allowing "a" to represent the component being considered

and "b" the difference between that percentage and 100, according to the following formula:

$$\text{Pure seed tolerance} = 0.6 + \left(0.2 \times \frac{a \times b}{100} \right)$$

a sample of timothy guaranteed 99.20% could test as low as 98.25% and be "satisfactory."

For germination: The following tolerances are applicable:

Healthy sprouts found by test in each 100 seeds	Tolerance
96 or over	5
90 or over but less than 96	6
80 or over but less than 90	7
70 or over but less than 80	8
60 or over but less than 70	9
Less than 60	10

Therefore, a sample of seed guaranteed 85% for germination may be as low as 77% and be "satisfactory."

For weed seeds: The law requires in the labeling of agricultural seed (1) that the percentage of all weed seeds present shall be shown on the tag, (2) that no primary noxious weed seeds shall be present in the sample, and (3) that secondary noxious weed seeds shall be given by name and approximate number, per ounce in groups (A) and (B) and per pound in groups (C) and (D), when present singly or collectively in excess of —

(A) One seed or bulblet in each 5 grams of *Agrostis* species, *Poa* species, *Rhodes* grass, *Bermuda* grass, *timothy*, *orchard* grass, *fescues* (except meadow fescue), *alsike* and *white clover*, *reed canary grass*, *Dallis* grass, and other agricultural seeds of similar size and weight, or mixtures within this group;

(B) One seed or bulblet in each 10 grams of *ryegrass*, *meadow fescue*, *foxtail millet*, *alfalfa*, *red clover*, *sweetclovers*, *lespedezas*, *smooth brome*, *crimson clover*, *Brassica* species, *flax*, *Agropyron* species, and other agricultural seeds of similar size and weight, or mixtures within this group, or of this group with (A);

(C) One seed or bulblet in each 25 grams of *proso*, *Sudan grass* and other agricultural seeds of similar size and weight, or mixtures not specified in (A), (B), or (D);

(D) One seed or bulblet in each 100 grams of *wheat*, *oats*, *rye*, *barley*, *buckwheat*, *sorghum* (except *Sudan grass*), *vetches*, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group.

Certain tolerances are allowed, however, to provide for variations and unavoidable errors, but only within very narrow limits and for which there is always a standard formula for computation. Examples: (1) *Timothy* guaranteed only 2 per cent weed seeds will not be condemned if it has a 2.59 per cent. (2) No primary noxious weed seeds are allowed, but the

presence of two such seeds in 50 grams of timothy would not be considered a violation. (3) Similarly, some slight variation from the minimum requirement for labeling secondary noxious weed seeds will be passed as satisfactory.

Free Testing

The Seed Testing Laboratory will allow two free tests, in a given year, to any resident company or person of New Hampshire, but such seeds must be received in the laboratory during the months of October, November, December and January. This number of samples, not including mixtures, may be analyzed either for purity or for germination, or one sample for both purity and germination, free of charge. A given seed company will be entitled to two private tests without charge, but not two from each branch store. For numbers in excess of two, a charge will be made for labor and consumable supplies only, the amount depending on the type of sample according to the following schedule:

Germination tests of all vegetable seeds, 30 cents;

Germination tests of all agricultural crop seeds and grasses, 50 cents;

Germination tests of mixtures, 50 cents for each kind of seed present;

Purity analyses of cereals, timothy and larger crop seeds and legumes, \$1.00;

Purity analyses of small grasses, \$2.00; unhulled redtop, \$2.50;

Purity analyses of mixtures, including those for lawn and pasture seeding, a charge sufficient to cover the actual cost of working the sample submitted for test, minimum charge of \$2.50.

Such private samples of seed to be tested should be drawn in such a way as to be representative of the bulk lot from which they are taken, and should be addressed to the State Seed Testing Laboratory, Durham, New Hampshire. Such private tests cannot be declared as state official tests unless drawn by a representative of the department of agriculture, as provided in Chapter 224 of the Public Laws. Fees must be paid before reports will be sent out.

The minimum weights of samples to be submitted for analysis are:

1. Two ounces of grass seed, white or alsike clover, or seeds not larger than these.
2. Five ounces of red or crimson clover, alfalfa, rye grasses, millet, rape, or seeds of similar size.
3. One pound of cereal, vetches or seeds of similar or larger size.

The minimum number of seeds of any one kind to be submitted for a germination test is 400.

Germination Standards for Vegetable Seed.

Following are the germination standards established by the commissioner of agriculture pertaining to Section four of the act entitled Vegetable Seeds.

	Per cent
Artichoke	60
Asparagus, including hard seeds	70
Beans, garden (varieties other than Rival, Topcrop and Logan)	75
Beans, garden (varieties Rival, Topcrop and Logan)	70
Beans, horse or broad	75
Beans, lima	70
Beans, runner	75
Beets	65
Broccoli	75
Brussels sprouts	70
Cabbage	75
Chinese cabbage	75
Carrot	55
Cauliflower	75
Celery and celeriac	55
Chicory	65
Citron	65
Collards	80
Corn	75
Cress, garden	60
Cress, water	40
Cucumber	80
Dandelion	45
Eggplant	60
Endive	70

	Per cent
Fetticus (cornsalad)	70
Kale	75
Kohlrabi	75
Leek	60
Lettuce	80
Muskmelon	75
Mustard	75
Okra	50
Onion	70
Parsley	60
Parsnip	60
Peas	80
Pepper	55
Pumpkin	75
Radish	75
Rhubarb	60
Rutabaga	75
Salsify	75
Sorrel	60
Soybean	75
Spinach (except New Zealand)	60
Spinach (New Zealand)	40
Squash	75
Swiss Chard	65
Tomato	75
Tomato, husk	50
Turnip	80
Watermelon	70

Labeling.

The following labels are suggested as meeting the minimum requirements of the New Hampshire seed law.

Example for unmixed agricultural seed:

Mammoth Clover		Lot No. 243	
John F. Doe Company Greene, N. H.	Pure seed	98.65	Germination
	Crop seed	.86	80%
	Weeds	.38	Hard seeds
	Inert Matter	.11	7
	Origin Idaho		Date of test Jan. 1952
	1 dodder per oz.		

Example for mixed agricultural seed:

Grass seed, mixed		Lot No. 0236	
John F. Doe Company Greene, N. H.	Purity:	Germination:	
	Perennial rye grass	32.23%	92.5% Jan. 1952
	Chewing fescue	18.08	85.0% Dec. 1951
	Kentucky bluegrass	14.75	80.0% Jan. 1952
	Canada bluegrass	15.37	58.5% Jan. 1952
	Creeping bent	14.20	84.0% Jan. 1952
	Crop seed	.61	
	Weed seed	2.07	
	Inert matter	2.69	

5 Crabgrass per oz.

Example for vegetable seed:

(Up to standard)	"New York Lettuce John Smith, Dale, Ill. Date of germination test: Feb. 7, 1952."
(For vegetable seed which germinates less than standard)	"New York Lettuce John Smith, Dale, Ill. Date of germination test: Feb. 7, 1952." Germination 75% BELOW STANDARD

The law states that "each separate container of agricultural or vegetable seed, including seeds in small packets, shall be labeled"; but if a dealer has bulk lots of seeds exposed for sale and these bulk lots are properly labeled, he shall not be required to copy the information from the label on to each individual bag in which he delivers small lots of this bulk seed over the counter to customers.

New Hampshire Experiment Station

AGRICULTURAL SEED INSPECTION, 1952

Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germi- nation	Remarks
ARTHUR R. CONE, INC., Buffalo, N. Y.								
General Mills, Inc., Exeter								
Oats, Ajax, 50 x 456	3289	S	L 99.80 F	.03 S	.03 S	.14 S	95 S	
Moulton & Goodwin, Portsmouth								
Alsike clover, 25 x 525	3676	S	L 97.28 F	1.75	.53	.44	60	Not correctly labeled; no statement for purity.
(No name of seed or lot No.)								
Westbranch Sweepstakes	3680	None	L 99.50 F				65	No name of seed or Lot No., guarantee for purity or date of test.
Hungarian millet, 90 x 268	3679	S	L 99.19 F	.10 S	.15 S	.50 S	75 S	Germination below guarantee.
Oats, Clinton, 50 x 445	3678	S	L 99.50 F	S	S	.50 S	54 S	
Timothy, 10-144	3677	S	L 99.70 F	.13 S	.05 S	.12 S	90 S	
George Pritchard Co., Dover								
Alfalfa, Grimm, 25 x 570	3664	S	L 99.80 F	.00 S	.05 S	.15 S	82 S	Not correctly labeled; no statement for purity.
Alsike clover, 25 x 566	3660	S	L 98.02 F	.99 S	.45 S	.54 S	78 S	
Golden millet, 90-249	3665	S	L 98.00 F	1.00 S	.00 S	1.00 S	85 S	Germination below guarantee.
Red clover, Medium, 15 x 890	3663	S	L 99.15 F	.30 S	.20 S	.35 S	61 S	Not correctly labeled; no statement for purity.
Redtop, 30-236	3661	S	L 93.40 F	.20 S	1.00 S	5.40 S	90 S	Germination below guarantee.
Timothy, 10-952	3662	S	L 99.81 F	.10	.05	.04	80 S	Not correctly labeled; no statement for purity.
F. B. Spaulding Co., Lancaster								
Barley, Alpha, 52 x 233 R	3526	S	L 99.89 F	.00 S	.00 S	.11 S	96 S	
Corn, Smoky Dent, 80-531	3530	S	L 99.50 F	.00 S	.00 S	.50 S	90 S	
Corn, King 300 Hybrid, 84-350	3531	S	L 99.50 F	.00 S	.00 S	.50 S	90 S	

* As stated on accompanying tag. "S" in this column indicates that date of test was in compliance with law. Figures or "None" indicate violation. Note: L=Label; F=Found. "S" in the Found line indicates that the sample was satisfactory in relation to the guarantee. Figures indicate violation.

Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed			Sample No.	Date Tested*	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germi- nation (Note)	Remarks
ARTHUR R. CONE, INC., Buffalo, N. Y. (con- tinued)										
George Pritchard Co., Dover (continued)										
Corn, Lancaster Sure Crop, 80-454			3534	S	L 99.50 F .	.00 S	.00 S	.50 S	90 S	
Redtop, 30-237			3527	S	L 93.80 F .	.80 S	.40 S	5.00 S	87 61	Germination below guarantee.
Sunshine Feed Store, Manchester										
Alsike clover, 26-592			3293	S	L 97.21 F .	1.99 S	.35 S	.35 S	78 S	
Ladino clover, 35-120			3297	S	L 99.38 F .	.04 S	.06 S	.52 S	56 S	
Red clover, Medium, 15-923			3294	S	L 99.10 F .	.80 S	Trace S	.10 S	70 S	
Rye, Rosen			2990	S	L 97.04 F .	1.79 S	.03 S	1.14 S	88 S	No lot No. given.
Timothy, 10-144			3298	S	L 99.70 F .	.13 S	.05 S	.12 S	90 S	
White Dutch clover, 32-126			3290	S	L 98.06 F .	1.24 S	.50 S	.20 S	90 79	Germination below guarantee.
Sunshine Stores, Inc., West Lebanon										
Alliata, Canadian Grimm, 28 x 497			3425	S	L 99.24 F .	.33 S	.27 S	.16 S	80 S	
Birdsfoot trefoil, 42 x 41			3423	S	L 98.75 F .	.60 S	.35 S	.30 S	59 S	
Japanese millet, 90 x 246			3422	S	L 99.00 F .	.00 S	1.00 S	.00 S	85 69	Germination below guarantee.
Orchard grass, 3398			3421	S	L 90.00 F .	.00 S	.20 S	9.80 S	85 S	
Reed canary grass, 44 x 42			3424	S	L 98.95 F .	.10 S	.25 S	.70 S	62 S	
Red clover, Medium, 15 x 894			3420	S	L 99.52 F .	.04 S	.20 S	.24 S	83 S	
Rye grass, Perennial Blue Tag, 39-121			3419	S	L 99.12 F .	.00 S	.18 S	.70 S	93 S	
Ryegrass, Domestic, 39-95			3428	S	L 99.00 F .	.00 S	.35 S	.65 S	85 S	
Sweet clover, White Blossom, 29-190			3427	S	L 99.05 F .	.71 S	.12 S	.12 S	49 S	
Timothy, 10-144			3426	S	L 99.70 F .	.13 S	.05 S	.12 S	90 S	
CHAS. M. COX CO., Boston, Mass.										
Depot Store, Littleton			3511	S	L 98.80 F .	1.00 S	.01 S	.00 S	94 S	No lot No. given.
Seed Oats										

THE ALBERT DICKINSON CO., Chicago, Ill.

Merrimack Farmers' Exch., Inc., Laconia
Kentucky bluegrass, 032422, No. 2

3383 S L 85.30 F S .20 .10 14.40 S 80 S

Merrimack Farmers' Exch., Inc., Milford
Kentucky bluegrass, 032422, No. 2

3414 S L 85.30 F S .20 .10 14.40 S 80 S

CRAVER-DICKINSON SEED CO., Buffalo, N. Y.
Holbrook Grocery Co., Keene
Corn, Westbranch Sweepstakes, 72-387

3456 S L 99.00 F S .07 .08 .39 S 85 75
Germination below guarantee.

EASTERN STATES FARMERS' EXCH., Inc.
West Springfield, Mass.
Eastern States Farmers' Exch., Inc., Rochester
Alfalfa, Ranger, 1056

3164 S L 99.50 F S .03 .12 .35 S 85 S

3168 S L 99.25 F S .05 .15 .55 S 75 S

3166 S L 98.10 F S 1.55 .10 .25 S 65 S

3163 S L F S .07 .08 .39 S 51.5
Germination below guarantee.

Red clover, Kenland
Alfalfa, Ranger
Timothy

3165 S L 15.00 F S .10 .14 .36 S 68 S

Hay & Pasture Mixture No. 5, 1081

Red clover, Kenland

Ladino clover

Timothy

Hay & Pasture Mixture No. 1, 1063

Red clover, Medium

Alsike clover

Timothy

Hay & Pasture Mixture No. 2, 1064

Red clover, Medium

3170 S L 45.00 F S .12 .18 .40 S 80 S

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germi- nation (Note)	Remarks
EASTERN STATES FARMERS' EXCHANGE, Inc., West Springfield, Mass. (continued)								
Eastern States Farmers' Exch., Inc., Rochester (continued)								
Alsike clover			L 20.00 S				67 S	
Redtop, Fancy Solid			L 5.00 S				90 S	
Timothy			L 30.00 S				88 S	
Hay & Pasture Mixture No. 3, 1079	3171	S	L .07 S	.11 S	.36 S			
Red clover, Kenland			L 30.00 S				68 S	
Ladino clover			L 10.00 S				80 S	
Alfalfa, Ranger			L 30.00 S				85 S	
Timothy			L 30.00 S				89 S	
Red clover, Kenland, 1111	3167	S	L .05 S	.40 S	.75 S			
Eastern States Farmers' Exch., Inc., Woodsville								
Barley, Forage Spring, 299	3518	S	L 97.50 S	1.30 S	.20 S	1.00 S	90 S	
Barley, Moore, 201	3525	S	L 99.50 S	.05 S	.40 S	.40 S	90 S	
Corn, Maine Hybrid B, 1097	3517	S	L 99.50 S	.00 S	.50 S	.50 S	93 S	
Corn, Cornell Hybrid, 29-3, 1148	3519	S	L 99.50 S	.00 S	.50 S	.50 S	90 S	
Corn, Mass. Hybrid 62, 1052	3522	S	L 99.50 S	.00 S	.50 S	.50 S	92 S	
Field peas, Chang, 1121	3516	S	L 99.50 S	.00 S	.50 S	.50 S	90 S	
German millet, 11090	3521	S	L 98.25 S	1.25 S	.21 S	.40 S	83 S	
Ladino clover, 1057	3515	S	L 99.50 S	.05 S	.40 S	.40 S	75 S	
Redtop, Fancy Solid, 1047	3520	S	L 97.50 S	.12 S	.40 S	1.98 S	90 S	
Sudan Grass, 1093	3524	S	L 98.00 S	.25 S	.20 S	1.50 S	80 S	
Timothy, 1039	3514	S	L 99.50 S	.08 S	.12 S	.30 S	90 S	
Vetch, Hairy, 311	3523	S	L 99.50 S	.20 S	.05 S	.25 S	85 S	

N. H. State Industrial School, Manchester

Alsike clover, 1051	3107	S	L	99.25	.30	.15	.30	65
Ladino clover, 1057	3034	S	L	99.50	.05	.02	.40	75
Oats, Forage, 463	3035	S	L	97.50	1.90	.10	.50	90
Red clover, Medium, 1076	3033	S	L	99.50	.16	.03	.26	80
Redtop, Fancy Solid, 1047	3032	S	L	97.50	.12	.40	1.98	90
Timothy, 1039	3036	S	L	99.50	.08	.12	.30	90
			F	S	S	S	S	79.5
Germination below guarantee.								
Laconia State School Laconia	3143	S	L	92.25	.83	.20	6.72	68
Bromegrass, Smooth, 332			F	S	S	S	S	90
Corn, Cornell Hybrid 29-3, 1043	3142	S	L					90
Oats, Forage, 463	3141	S	L	97.50	1.90	.10	.50	90
			F	S	S	S	S	90

MERRIMACK FARMERS' EXCHANGE, INC.,

Concord								
Merrimack Farmers' Exch., Inc., Exeter								
Bluegrass, Kentucky, 032381	3259	S	L	82.46	.10	.95	16.59	80
Bromegrass, Lincoln, 97112	3262	S	F	88.62	.08	.23	11.02	80
Ladino clover, No. 4, 02631	3260	S	F	99.45	.10	.10	.35	60
Oats, Ajax	3261	S	F	99.90	.00	.10	.00	92
Rape	3258	S	F	99.85	.00	.02	.13	85
			F	S	S	S	S	90
No lot No. given.								
No lot No. given.								
Merrimack Farmers' Exch., Inc., Franklin								
Chewings fescue, 03499, No. 2	3651	S	L	97.45	.25	.30	1.10	90
Corn, Hybrid 29-3, 5310	3647	S	F	99.50	.00	.00	.50	90
Corn, Mass. 62, 2628A	3648	S	F	99.75	.00	.00	.25	95
Ladino clover, M 1365	3652	S	F	99.70	.05	.15	.10	78
Hayland Mixture, Merrimack 4-B	3649	S	F	S	.12	.30	1.00	S
Timothy			F	50	S	S	S	80
Red clover			F	37.5	S	S	S	69
Alsike clover			F	12.5	S	S	S	89
			L		S	S	S	67
			L		S	S	S	S
Germination of timothy below guarantee.								

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed				Sample No.	Date Tested*	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germi- nation (Note)	Remarks
MERRIMACK FARMERS' EXCHANGE, INC., Concord (continued)											
Merrimack Farmers' Exch., Inc., Franklin (continued)											
Rape	3646	S	L 99.85 F 99.56	.00	.02	.13	85	No lot No. given.			
Red clover, 2425	3653	S	L 99.56 F 98.15	.38 1.50	.02 .15	.04 .20	82 88				
White Dutch clover, 26814	3650	S	L 98.15 F	S	S	S	S				
Merrimack Farmers' Exch., Inc., Keene											
Corn, Leaming, 2851	3463	S	L 99.00 F	1.00	.00	.00	90	Germination below guarantee.			
Corn, Hybrid 29-3, 5310	3464	S	L 99.50 F	.00	.00	.50	90				
Corn, W. B. Sweepstakes, 5155	3466	S	L 99.00 F	.00	.00	1.00	92				
Japanese millet, 051-135	3465	S	L 99.17 F	.32	.10	.41	85				
Rape, Dwarf Essex, 95-705	3468	S	L 99.61 F	.01	.15	.23	79				
Redtop, 41527	3467	S	L 92.40 F	.20	.60	6.80	90				
Merrimack Farmers' Exch., Inc., Laconia											
Buckwheat, Japanese, 862	3381	S	L 99.16 F	.26	.22	.36	93				
Red fescue, 34469	3384	S	L 98.05 F	.05	.05	1.85	86				
Ryegrass, Common, 36297	3382	S	L 99.32 F	.04	.50	.14	40 89				Germination below guarantee.
White Dutch clover, 26810	3385	S	L 98.00 F	1.80	.15	.05	85				
Merrimack Farmers' Exch., Inc., Manchester											
Rye, Rosen, 3A	2991	S	L 94.00 F	4.00	.50	1.50	81	89 quackgrass per pound found.			
Merrimack Farmers' Exch., Inc., Milford											
Ladino clover, 1365	3413	S	L 99.70 F	.05	.15	.10	73				
Hayland Mixture, No. 3B	3418	S	L F	.20	.30	1.00	S				
Timothy			L 50.00 F 33.38				80				
Red clover			L 37.50 F				85				

Alsike clover			L 12.50 F S			87 S
Orchard grass, 64072	3416	S	L 90.00 F S	.10 S	9.60 S	85 S
Merrimack Farmers' Exch., Inc., Peterboro						
Alfalfa, Grimm, N.B. 376	3175	S	L 99.35 F S	.05 S	.25 S	75 S
Buckwheat, Japanese, 862	3178	S	L 98.16 F S	.26 S	.36 S	93 S
Field peas, 85617	3179	S	L 98.71 F S	.61 S	.67 S	79 S
Golden millet, 8299	3176	S	L 99.58 F S	.26 S	.12 S	80 S
Golden millet, 9277	3177	S	L 99.85 F S	.26 S	.12 S	80 S
Ladino clover, 1365	3174	S	L 99.70 F S	.05 S	.10 S	73 S
Soy beans, 084516	3173	S	L 98.13 F S	.37 S	.49 S	87 S
Timothy, 66395	3180	S	L 99.65 F S	.05 S	.25 S	90 S
White clover, 26758	3172	S	L 97.85 F S	1.37 S	.44 S	81 S
Merrimack Farmers' Exch., Inc., Rochester						
Alfalfa, Grimm, 27148	3189	S	L 99.68 F S	.10 S	.12 S	72 S
Alfalfa, Ranger, 028-118	3194	S	L 99.78 F S	.02 S	.14 S	82 S
Brome grass, 097311	3191	S	L 87.10 F S	.66 S	12.12 S	82 S
Japanese millet, 081-137	3192	S	L 98.17 F S	.32 S	.41 S	90 S
Red clover, 245144	3190	S	L 99.54 F S	.18 S	.14 S	80 S
Timothy, M-560	3193	S	L 99.70 F S	.05 S	.10 S	90 S
N. H. State Hospital Farm, Concord						
Alfalfa, Grimm, 27134	3007	S	L 99.72 F S	.02 S	.16 S	67 S
Brome grass, 420	3004	S	L 94.34 F S	.63 S	5.03 S	89 S
Corn, Cornell, 29-3	3009	S	L 99.50 F S	.00 S	.50 S	93 S
Red clover, Medium, 2425	3005	S	L 99.56 F S	.38 S	.04 S	82 S
Timothy, 66355	3006	S	L 99.70 F S	.10 S	.15 S	90 S
THE PAGE SEED COMPANY, Greene, N. Y.						
Wirthmore Feed Co., Manchester	2989	S	L 97.58 F S	.00 S	2.40 S	85 S
Rye, Winter, J10-8551						63.5

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Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germin- ation (Note)	Remarks
PARK & POLLARD, Buffalo, N. Y. Farmers Feed & Supply Co., Hillsboro Alsike clover, 1553	3138	S	L 98.40 F S	1.30	.05 S	.25 S	65 S	
Redtop, 40525	3137	S	L 92.50 F S	1.50 S	1.00 S	5.00 S	85 S	
O. M. SCOTT & SONS CO., Marysville, Ohio Morcau's Dept. Hardware Store, Manchester White Dutch clover, 1-6422	3325	S	L 98.00 F S	.00 S	.09 S	1.91 S	70 S	
SEABOARD SEED CO., Philadelphia, Pa. Exeter Feed & Supply Co., Inc., Exeter Corn, Patriot Hybrid Doublecross No. 335	3629	S	L 99.96 F S	.00 S	.00 S	.04 S	92 S	
Redtop, Re-cleaned, 231-12	3630	S	L 92.56 F S	.02 S	.93 S	6.49 S	85 S	
Sudan grass, Common, 280-1	3632	None	L 99.00 F S	.15 S	.10 S	.75 S	70 S	No date of test.
F. B. SPAULDING CO., Lancaster Oats, Canadian Beaver	3528	S	L 98.00 F S	1.00 S	.50 S	.50 S	90 S	No lot No. given.
STANFORD SEED CO., Buffalo, N. Y. Colebrook Feed Co., Colebrook Alsike clover, 4083	3539	S	L 98.50 F S	1.22 S	.04 S	.24 S	78 S	
Ladino clover, 2492	3540	S	L 99.22 F S	.20 S	.22 S	.36 S	63.5 S	
Red clover, Medium, 5340	3537	S	L 99.04 F S	.64 S	.12 S	.20 S	83 S	
Redtop, 3947	3538	S	L 92.33 F S	1.11 S	.63 S	5.91 S	90 S	
Timothy, 2842	3536	S	L 99.60 F S	.10 S	.20 S	.10 S	79 S	Germination below guarantee.
Depot Store, Littleton Buckwheat, Japanese, 5343	3510	S	L 99.91 F S	.00 S	.05 S	.04 S	85 S	
Dover Grain Co., Dover Brome grass, 4078	3654	S	L 90.60 F S	.00 S	.00 S	9.40 S	85 S	
Corn, Leaming, 2863	3658	S	L 99.00 F S	.00 S	.00 S	1.00 S	63 S	Germination below guarantee.
Corn, Yellow Sweepstakes, 2798	3659	S	L 99.00 F S	.00 S	.00 S	1.00 S	90 S	

Redtop, 2126	3656	S	L 92.21 F 99.60	2.41 S	.47 S	4.91 S	91 75	Germination below guarantee.
Timothy, 3280	3655	S	L 99.60 F 99.63	.10 S	.10 S	.20 S	86 S	
Timothy, 5226	3657	S	L 99.63 F	.17 S	.07 S	.08 S	90 78	Germination below guarantee.
Grafton County Feed Co., North Haverhill								
Alfalfa, Grimm, 5782	3505	S	L 99.50 F	.20 S	.03 S	.27 S	72 S	
Corn, Wisconsin Hybrid 275	3503	S	L 99.50 F	.00 S	.00 S	.50 S	90 S	
Oats, Clinton, 5352	3507	S	L 99.23 F	.55 S	.04 S	.13 S	92 S	
Red clover, Medium, 5340	3506	S	L 99.04 F	.64 S	.12 S	.20 S	85 S	
Timothy, 5762	3504	S	L 99.63 F	.09 S	.11 S	.17 S	90 77.5	Germination below guarantee.
Greenville Grain Co., Greenville								
Alfalfa, Grimm, 5269	3158	S	L 99.95 F	.04 S	.00 S	.01 S	69 S	
Hungarian millet, 5316	3162	S	L 99.40 F	.23 S	.28 S	.09 S	75 S	
Japanese millet, 5133	3161	S	L 99.00 F	.00 S	.98 S	.02 S	58 91	Germination below guarantee.
Ladino clover, 2491	3160	S	L 99.62 F	.15 S	.17 S	.06 S	78.25 S	
Red clover, Medium, 5893	3159	S	L 99.42 F	.23 S	.11 S	.19 S	84 S	
Timothy, 2178	3157	S	L 99.60 F	.15 S	.10 S	.15 S	90 S	
Merrimack Farmers' Exch., Inc., Milford								
Corn, West Branch Sweepstakes, 5155	3415	S	L 99.00 F	.00 S	.00 S	1.00 S	92 S	
Corn, 28-3 Hybrid, 5310	3417	S	L 99.50 F	.00 S	.00 S	.50 S	90 S	
WHITNEY SEED CO., Buffalo, N. Y.								
Checkerboard Feed Store, Manchester Rye, Rosen, 83376	2993	S	L 99.65 F	.02 S	.02 S	.31 S	90 75	Germination below guarantee.
Depot Store, Littleton								
Alsike clover, 21-527A	3513	S	L 98.15 F	1.50 S	.25 S	.10 S	78 S	
Corn, Yellow Sweepstakes, 72-391	3508	S	L 99.00 F	.00 S	.00 S	1.00 S	90 S	
Japanese millet, 81-4	3509	S	L 98.71 F	.01 S	1.14 S	.14 S	85 S	
Red clover, Medium, 24-511	3512	S	L 99.30 F	.34 S	.14 S	.22 S	83 S	

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WHITNEY SEED CO., Buffalo, N. Y. (continued)										
Derby's Dept. Store, Poughkeepsie			3135	S	L 97.00	.40	.40	2.20	85	
Greeping Benigrass, 2252					F S	S	S	S	S	
White clover, 2152			3136	S	L 97.00	1.00	.30	1.70	80	
					F S	S	S	S	S	
Farmers' Feed & Supply Co., Claremont										
Alfalfa, Canada Variegated, 2172			3367	S	L 99.40	.40	.08	.12	62	
					F S	S	S	S	S	
Alfalfa, Ranger, 2196			3379	S	L 99.50	.00	.09	.41	90	
					F S	S	S	S	S	
Alsike clover, 1553			3371	S	L 98.40	1.30	.05	.25	65	
					F S	S	S	S	S	
Barley, Moore, 80556			3377	S	L 99.55	.01	.01	.43	94	
					F S	S	S	S	S	
Birdfoot trefoil, 5964			3370	S	L 98.94	.98	.08	.00	58	
					F S	S	S	S	S	
Bromegrass, Domestic, 3835			3366	S	L 88.52	.16	.74	10.58	80	
					F S	S	S	S	S	
Buckwheat, 8177			3380	S	L 99.10	.23	.10	.57	85	
					F S	S	S	S	S	
Corn, Canada type Flint, 70656			3376	S	L 99.50	.00	.00	.50	90	
					F S	S	S	S	S	
Japanese millet, 46567			3369	S	L 98.51	.02	1.38	.09	80	
					F S	S	S	S	S	
Red clover, Medium, 50638			3374	S	L 99.76	.12	.02	.10	90	
					F S	S	S	S	S	
Redtop, 40525			3372	S	L 92.50	1.50	1.00	5.00	88	
					F S	S	S	S	S	
Sudan grass, 3043			3368	S	L 98.83	.29	.01	.85	80	
					F S	S	S	S	S	
Timothy, 1270			3375	S	L 99.76	.05	.05	.70	88	
					F S	S	S	S	S	
Vetch, Winter, 6760			3378	S	L 99.23	.29	.18	.30	85	
					F S	S	S	S	S	
White Dutch clover, 2152			3373	S	L 97.00	1.00	.30	1.70	80	
					F S	S	S	S	S	
Farmers' Feed & Supply Co., Hillsboro										
Japanese millet, 46575			3139	S	L 98.51	.02	1.38	.09	80	
					F S	S	S	S	S	
Red clover, Medium, 50638			3140	S	L 99.76	.12	.02	.10	80	
					F S	S	S	S	S	
Farmers' Feed & Supply Co., Lebanon										
Alfalfa, Ranger, 2196			3433	S	L 99.50	.00	.09	.41	90	
					F S	S	S	S	S	
Alsike clover, 1553			3429	S	L 98.40	1.30	.05	.25	65	
					F S	S	S	S	S	

Japanese millet, 46575	3430	S	L 98.51 F S	.02	1.38	.09	80
Red clover, Medium, 50638	3432	S	L 99.76 F S	.12	.02	.10	90
Sudan grass, 8041	3431	S	L 98.96 F S	.02	.01	1.01	80
Timothy, 1270	3434	S	L 99.70 F S	.05	.05	.20	88
R. N. Johnson, Walpole							
Alfalfa, Ranger, 2188	3316	S	L 99.74 F S	.02	.02	.22	90
Japanese millet, 48575	3317	S	L 98.51 F S	.02	1.38	.09	80
Ladino clover, 56-23	3314	S	L 99.71 F S	.10	.05	.19	54
Ryegrass, Domestic, 44592	3315	S	L 99.80 F S	.02	.02	.16	90
Sudan grass, 3044	3318	S	L 98.51 F S	.18	.15	1.16	80
Moreau's Dept. Hardware Store, Manchester							
White clover, 2152	3324	S	L 97.00 F S	1.00	.30	1.70	80
T. W. WOOD, Richmond, Va.							
Merrimack Farmers Exch., Inc., Concord							
Lespedeza, Bicolor	3681	S	L 98.90 F S	.29	.00	.81	69.5

Not labeled correctly.
No statement for purity or germination; no lot No. or date of test.

It is presumed that the following samples of seed were carried over by the dealer from the previous season; hence, the name of the wholesaler is omitted.

Exeter Feed & Supply Co., Inc., Exeter							
Alsike clover, A-338	3631	1/1951	L 98.00 F S	.65	.50	.90	80
Red clover, C 406	3628	3/1951	L 99.25 F S	.35	.25	.15	80
Moulton & Goodwin, Portsmouth							
Barley, Wisconsin 38	2992	10/1950	L 99.50 F S	.00	.00	.00	98

Not tested within 9 months.
Not tested within 9 months.
Not tested within 9 months.

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New Hampshire Experiment Station

VEGETABLE SEED INSPECTION, 1952

Name and Address of Wholesaler Name and Address of Dealer or Place Collected Kind of Seed	Sample No.	Date Tested*	Germination		
			Found	Guaran- teed**	N. H. Standard
(Note)					
ALLEN, STERLING & LOTHROP, Portland, Me.					
Barnett Company, Colebrook					
Cucumber, Straight Eight	3558	None	S	..	80
Pumpkin, Small Sugar	3559	None	S	..	75
Swiss Chard, Lucullus	3560	None	S	..	65
G. B. Currier Co., West Stewartstown					
Beans, Burpee's Stringless Green Pod	3583	S	S	88	75
Beet, Detroit Dark Red	3582	S	S	81	65
Corn, Golden Bantam	3579	S	S	85	75
Peas, Gradus	3580	S	73	84	80
Peas, Blue Bantam	3584	S	S	85	80
Squash, Green Hubbard	3581	S	S	90	75
I. J. Young, North Stratford					
Beet, Detroit Dark Red	3555	S	S	81	65
Squash, Buttercup	3553	None	S	..	75
Squash, Green Hubbard	3556	None	S	..	75
Squash, Acorn	3557	S	69	75	75
ASSOCIATED SEED GROWERS, INC., Milford, Conn.					
H. C. Metcalf, Alstead					
Beans, Bush Burpee's Stringless	3305	S	S	90	75
Peas, Laxtonian	3303	S	S	90	80
Peas, Laxton's Progress	3304	S	S	90	80
Peas, Sutton's Excelsior	3306	S	S	90	80
ASGROW SEEDS, Cambridge, N. Y.					
Neal Hardware, Madbury					
Tomato, Franklin Hybrid F2	3682	S	S	80	75
W. E. AUBUCHON CO., INC., Nashua					
W. E. Aubuchon Co., Inc., Nashua					
Beans, Black Wax	3111	S	S	..	75
Beans, Improved Golden Wax	3112	S	S	..	75
Corn, Golden Bantam	3108	S	S	..	75
Peas, Tall Telephone	3110	S	S	..	80
BAKIE BROS., Kingston, N. H.					
Bakie Bros., Kingston					
Peas, Gradus	3272	S	S	..	80
Peas, World's Record	3273	S	S	..	80
Peas, Sutton's	3274	S	S	..	80
BRECK'S, Boston, Mass.					
H. R. Borchers's Hardware, Salem Depot					
Cabbage, Early Jersey Wakefield	3038	S	S	80	75
Carrot, Danvers Half Long	3037	S	S	55	55
Cucumber, Marketer	3045	S	S	80	80
Lettuce, Iceberg, New York	3046	S	S	80	80
Parsnip, Hollow Crown	3047	S	S	65	60
Curtis Hardware, Berlin					
Beans, Bush Bountiful Green Pod	3586	S	S	90	75
Beans, Dwarf Wax	3589	S	S	80	75
Beet, Early Blood Turnip	3592	S	S	90	65
Corn, Marcross	3585	S	S	90	75
Corn, Harvard Hybrid	3590	S	S	90	75
Endive, Broad Leaved	3591	S	S	86	70
Peas, World's Record	3593	S	S	90	80
Peas, Alderman	3594	S	S	80	80
Squash, Golden Summer	3588	S	S	80	75
Swiss Chard, Lucullus	3587	S	S	87	65

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			Found	Guaran- teed**	N. H. Standard
(Note)					
Douglass Hardware, Concord					
Carrot, Imperator	3227	S	S	55	55
Corn, Harvard Hybrid	3225	S	S	85	75
Cucumber, Straight Eight	3232	S	S	80	80
Lettuce, Black Seeded Simpson	3229	S	S	85	80
Lettuce, Big Boston	3230	S	S	80	80
Muskmelon, Rocky Ford	3228	S	S	80	75
Squash, Butternut	3226	S	S	80	75
Turnip, Purple Top White Globe	3231	S	S	80	80
P. A. Hicks & Sons, Colebrook					
Okra or Gumbo, Dwarf Green	3552	S	S	60	50
Watermelon, New Hampshire Midget	3551	S	S	75	70
Martin's Hardware, Newport					
Beans, Dwarf Horticultural Shell	3400	S	S		75
Corn, Early Pearl White	3398	S	S		75
Corn, Golden Cross Bantam	3999	S	S		75
Peas, Tall Telephone	3401	S	S		80
Peas, Dwarf Telephone	3402	S	S		80
H. P. Maxfield, Inc., Pittsfield					
Broccoli, Italian Green Sprouting	3328	S	S	75	75
Carrot, Golden Beauty	3331	S	S	55	55
Cauliflower, Early Dwarf Erfurt	3332	S	S	75	75
Celery, Giant Pascal	3330	S	S	60	55
Kohl Rabi, Early White Vienna	3333	S	S	80	75
Lettuce, Oak Leaf	3326	S	S	80	80
Lettuce, Grand Rapids	3329	S	S	85	80
Swiss Chard, Rhubarb	3327	S	S	65	65
A. L. Moore Hardware, Plaistow					
Beans, Bush Black Wax	3220	S	S	85	75
Beet, Detroit Dark Red	3222	S	S	70	65
Carrot, Danvers Half Long	3221	S	S	70	55
Corn, Golden Bantam	3219	S	S	90	75
Corn, Golden Cross Bantam	3224	S	S	90	75
Peas, Laxton's Progress	3223	S	S	90	80
W. ATLEE BURPEE, Philadelphia, Pa.					
The County Stores, Milford					
Beans, Bush Shell	3388	S	S	83	75
Beans, Stringless Green Pod Bush	3397	S	S	85	75
Beet, Detroit Dark Red	3389	S	S	75	65
Carrot, Burpee Goldenhart	3396	S	S	65	55
Corn, Standard Yellow	3391	S	S	80	75
Corn, Hybrid Yellow	3394	S	S	86	75
Lima Beans, Pole	3392	S	54	75	70
Onion, Yellow Globe Danvers	3386	S	63.5	75	70
Parsnip, Hollow Crown	3390	S	S	65	60
Peas, Early Wrinkled	3393	S	S	85	80
Peas, Early Settler	3395	S	S	85	80
Squash, Golden Delicious	3387	S	S	80	75
Garden Center, Nashua					
Cauliflower, Improved Super Snowball	3249	S	S	80	75
Kohl Rabi, Early White Vienna	3246	S	S	80	75
Lettuce, Great Lakes	3248	S	S	80	80
Radish, Sparkler	3247	S	S	80	75
Mabbett Home & Auto Supply, Rochester					
Carrot, Danvers Half Long	3186	S	S	65	55
Corn, Golden Bantam	3182	S	S	80	75
Cucumber, Black Diamond	3184	S	S	80	80
Endive, Broad-leaved Batavian	3187	S	S	80	70
Lima Beans, Burpee's Fordhook	3181	S	S	75	70
Muskmelon, Hearts of Gold	3188	S	S	80	75
Radish, White Icicle	3185	S	S	80	75
Tomato, Jubilee	3183	S	S	80	75
Joudrey's Hardware, Gorham					
Cauliflower, Improved Super Snowball	3549	S	S	80	75
Corn, Carmelcross	3547	S	S	80	75
Corn, Stowell's Evergreen Hybrid	3550	S	S	80	75
Lima Beans, Burpee's Fordhook	3548	S	S	75	70

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(Note)					
W. ATLEE BURPEE, Philadelphia, Pa. Merrimack Farmers' Exchange, Inc., Concord Spinach, Perpetual 882	3615	S	S	81	65
CROSSMAN SEED CORP., East Rochester, N. Y.					
Montgomery Ward Co., Claremont					
Beet, Detroit Perfected	3476	S	S	75	65
Carrot, Nantes Coreless	3470	S	S	70	55
Celery, Golden Self-Blanching	3475	S	S	65	55
Corn, Marcross Hybrid, C6XC13	3471	S	S	85	75
Cucumber, National Pickling	3472	S	S	85	80
Lettuce, Big Boston Head	3473	S	S	80	80
Parsnip, Hollow Crown	3645	S	S	70	60
Peas, Little Gem or Premium Gem	3474	S	S		80
Spinach, Giant Nobel	3469	S	S	65	60
Watermelon, Stone Mountain	3477	S	S	80	70
EASTERN STATES FARMERS' EXCHANGE, INC., West Springfield, Mass.					
Eastern States Farmers' Exch., Inc., Claremont					
Beet, Perfected Detroit, B 721 416	3339	S	S	80	65
Kale, Blue Scotch, A 612 483	3338	S	S	80	75
Muskmelon, Granite State, H 1112 559	3336	S	S	85	75
Pepper, Burlington, J 611 734	3337	S	S	90	55
Rutabaga, Bristol White, B 1410 994	3334	S	S	75	75
Tomato, Pritchard, B 619 923	3335	S	S	80	75
Tomato, Pennheart, F 3017 914	3340	S	70	75	75
Tomato, Marglobe, O 7118 929	3341	S	S	80	75
Eastern States Farmers' Exch., Inc., Concord					
Beet, Perfected Detroit, B 721 416	3131	S	S	80	65
Cabbage, Golden Acre, B 619 237	3022	S	S	80	75
Cabbage, Wisconsin Copenhagen, P1311 243	3132	S	S	90	75
Cabbage, Bonanza, M 611 245	3133	S	S	75	75
Carrot, Long Chantenay, B 4512 322	3118	S	S	85	55
Carrot, Hutchinson, F 4516 317	3126	S	S	80	55
Cucumber, Marketer D 3221 414	3134	S	S	90	80
Lettuce, Imperial 456, H 810 519	3130	S	S	90	80
Onion, Utah Valencia, D 711 623	3125	S	S	80	70
Onion, Silverskin White Portugal, E4511 606	3128	S	S	80	70
Parsnip, Improved Hollow Crown, A712 647	3129	S	S	75	60
Spinach, Virginia Blight Resistant Savoy, C 5119 886	3127	S	S	60	60
N. H. State Prison Farm, Concord					
Beans, Contender	3233	S	S	90	75
Beans, French Horticultural	3235	S	S	90	75
Peas, Gilcrest Wrinkled	3234	S	S	90	80
Eastern States Farmers' Exch., Inc., Dover					
Beet, Crosby Early Wonder, A3211-125	3442	S	S	75	65
Brussels sprouts, Catskill, 611-214	3436	S	S	80	70
Carrot, Imperator, D4510 344	3439	S	S	75	55
Cauliflower, Super snowball, B610 361	3438	S	S	80	75
Corn, Carmelcross 30.13, G4519A 445	3444	S	S	85	75
Cucumber, Straight 8, B612 412	3443	S	S	90	80
Lettuce, Black Seeded Simpson, A712 544	3441	S	S	90	80
Parsnip, Model, B 712 643	3437	S	S	70	60
Pumpkin, Connecticut Field, B 612 775	3440	S	S	90	75
Turnip, Purple Top White Globe, B1011 966	3435	S	S	90	80
N. H. State Industrial School, Manchester					
Beans, Stringless Valentine, A-3120	3029	S	S	80	75
Carrot, Long Chantenay, B-4512	3106	S	S	85	55
Corn, Marcross Hybrid 13.6, F 4519	3028	S	S	90	75
Parsnip, Improved Hollow Crown, A-712	3030	S	S	75	60
Squash, Golden Delicious	3026	S	S	85	75
Squash, Golden Delicious, E-519	3027	S	S	85	75
Squash, Royal Des Moines, J-612	3105	S	S	80	75
Swiss Chard, Fordhook Giant, 4111	3031	S	S	75	65

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(Note)					
EMPIRE SEED CO., INC., Fredonia, N. Y.					
Milligan & Currier, Manchester					
Celery, Giant Pascal	3478	S	S	55	55
Cucumber, Boston Pickling	3483	None	74		80
Endive, Moss Curled	3480	S	S	70	70
Radish, Early Scarlet Turnip	3481	S	S	75	75
Spinach, Large Bloomsdale Savoy-leaved	3482	S	S	60	60
Tomato, Ponderosa or Beefsteak	3479	S	S	75	75
FREDONIA SEED CO., Fredonia, N. Y.					
Bemis I.G.A., Walpole					
Beet, Early Blood Turnip	3271	S	S	65	65
Cabbage, Late Flat Dutch	3269	S	S	75	75
Corn, Golden Bantam, Early	3267	S	S	75	75
Cucumber, Early Cluster	3268	S	S	80	80
Hopkinton Village Store, Hopkinton					
Carrot, Oxheart	3095	S	S	55	55
Lettuce, Big Boston	3117	S	S	80	80
Radish, Early Scarlet Globe	3079	S	S	75	75
Radish, White Icicle	3080	S	S	75	75
Red & White, Errol					
Beans, Stringless Green Pod	3573	S	69	80	75
Beans, Red Valentine Stringless	3574	S	S	80	75
Corn, Golden Bantam Early	3572	S	S	75	75
Kale, Dwarf Siberian	3578	S	S	75	75
Lettuce, Black Seeded Simpson	3575	S	S	80	80
Parsley, Plain Broad Leaf	3576	S	S	60	60
FERRY-MORSE SEED CO., Detroit, Mich.					
B. E. Downing, Plaistow					
Beet, Early Blood Turnip	3217	S	S	80	65
Beet, Detroit Dark Red	3218	S	55	85	65
Cauliflower, Snowball X	3213	S	S	85	75
Cucumber, Early White Spine	3212	S	S	90	80
Parsnip, Hollow Crown	3214	S	S	80	60
Radish, Early Scarlet Turnip White Tipped	3216	S	S	85	75
Rutabaga, American Purple Top	3215	S	S	85	75
Squash, Summer Crookneck	3211	S	S	85	75
Keene Grain Co., Keene					
Corn, Golden Bantam	3018	S	S	85	75
Cucumber, Early White Spine	3039	S	S	90	80
Lettuce, Oak Leaf	3048	None	S		80
Onion, Evergreen Bunching	3070	S	S	80	70
Peas, Morse's Progress	3113	S	S	85	80
Tomato, Marglobe	3042	S	S	80	75
Whiton's I.G.A., Peterboro					
Corn, Country Gentleman	3266	S	S	80	75
Squash, Hubbard	3263	S	S	85	75
Swiss Chard, Large Ribbed Dark Green	3264	S	S	80	65
Tomato, Earliana	3265	S	S	85	75
CHAS. C. HART SEED CO., Wethersfield, Conn.					
Cass Hardware, Suncook					
Asparagus, Mary Washington	3640	S	S	70	70
Broccoli, Italian Green Heading Calabrese	3641	S	S	75	75
Brocoli De Rapa	3642	S	S	75	75
Walter S. Jackson, Portsmouth					
Corn, Golden Cross	3571	S	S	75	75
Floyd Smith, Piermont					
Carrot, Danvers Half Long Stump Root	3561	S	S	55	55
Carrot, Danvers Half Long Stump Root	3562	S	S	55	55
Sunshine Feed Store, Manchester					
Cucumber, Improved Long Green	3295	S	S	90	80
Radish, White Tipped Scarlet	3291	S	S	90	75
Squash, Butternut	3292	S	S	85	75
Swiss Chard, Lucullus	3296	S	S	80	65

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CHAS. C. HART SEED CO., Wethersfield, Conn.					
Turcotte Hardware, Newmarket					
Cucumber, Marketer	3616	S	62.5	80	80
Peas, Gradus	3617	S	46	85	80
Peas, Thomas Laxton	3618	S	71	85	80
Peas, World's Record	3619	S	S	88	80
Peas, Tall Telephone	3620	S	S	85	80
C. S. Wood Co., Antrim					
Beans, Dwarf Shell	3308	S	S	85	75
Beans, Top Notch Golden	3309	S	61	85	75
Beans, Pole Worcester	3311	S	19	85	75
Beet, Detroit Dark Red	3313	S	S	71	65
Carrot, Danvers Half Long	3312	S	S	80	55
Peas, Thomas Laxton	3310	S	S	85	80
BUDD D. HAWKINS, Reading, Vt.					
Arne Aho General Store, Marlow					
Broccoli, Italian Green Sprouting	3275	S	S	75	75
Cabbage, Mammoth Rock Red	3276	S	S	75	75
Celery, Giant Pascal	3277	S	S	55	55
Frank Baldwin, Pittsburg					
Asparagus, Mary Washington	3492	S	S	70	70
Carrot, Improved Long Orange	3497	S	S	55	55
Pepper, California Wonder	3494	S	S	65	55
Blanchard Store, Mont Vernon					
Asparagus, Mary Washington	3147	S	S	70	70
Beet, Crosby's Egyptian	3151	S	S	65	65
Carrot, Danvers Half Long Orange	3145	S	S	55	55
Carrot, Improved Long Orange	3150	S	S	55	55
Cucumber, Boston Pickling	3148	S	S	80	80
Lettuce, Early Prizehead	3146	S	S	80	80
Parsnip, Improved Hollow Crown	3144	S	S	60	60
Radish, Early Long Scarlet	3149	S	S	75	75
Goodnow Bros. Co., East Jaffrey					
Carrot, Danvers Half Long Orange	3278	S	S	55	55
Carrot, Imperator	3281	S	S	55	55
Cauliflower, Early Snowball	3280	S	S	75	75
Corn, Golden Bantam	3282	S	S	75	75
Lettuce, Cos or Romaine	3279	S	S	80	80
C. P. Stevens Co., Franklin					
Beans, Improved Golden Wax	3489	S	S	75	75
Beans, Bountiful	3490	S	S	75	75
Corn, Golden Cross Hybrid	3487	S	S	75	75
BILLY HELPER SEED CO., Durham, N. H.					
Moulton & Goodwin, Portsmouth					
Muskmelon, Granite State	3675	S	S	93	75
HOLBROOK GROCERY CO., Keene, N. H.					
Fournier Hardware, Whitefield					
Beans, Vermont Cranberry	3602	S	S	75	75
Beans, Pencil Pod Black Wax	3603	S	S	75	75
Beet, Detroit Dark Red	3598	S	S	65	65
Corn, Early Golden Bantam	3601	S	S	75	75
Lima Beans, Fordhook Bush	3596	S	S	70	70
Peas, Tall Telephone	3595	S	S	80	80
Peas, World's Record	3597	S	S	80	80
Peas, Gradus	3599	S	S	80	80
Peas, Thomas Laxton	3600	S	S	80	80
D. LANDRETH SEED CO., Philadelphia, Pa.					
Kashulines', Nashua					
Cabbage, Late Flat Dutch	3242	None	S	75	75
Carrot, Danvers Half Long	3244	None	S	70	55
Cucumber, Improved Long Green	3238	None	S	80	80
Endive, Green Curled	3239	None	S	75	70
Endive, Batavian	3243	None	S	80	70

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D. LANDRETH SEED CO., Philadelphia, Pa.			(Note)		
Kashulines, Nashua					
Lettuce, Iceberg	3237	None	S	80	80
Lettuce, Black Seeded Simpson	3241	None	S	80	80
Parsley, Champion Moss Curled	3245	None	S	60	60
Tomato, Rutgers	3236	None	58.5	75	75
Turnip, Purple Top White Globe	3240	None	S	85	80
MANDEVILLE & KING CO., Rochester, N. Y.					
Frank Baldwin, Pittsburg					
Lettuce, Big Boston	3493	S	S	85	80
Onion, Southport Yellow Globe	3495	S	S	75	70
Radish, Scarlet Turnip White Tip	3496	S	S	80	75
C. P. Stevens Co., Franklin					
Beans, Kentucky Wonder Pole	3491	S	S	80	75
Beet, Detroit Dark Red	3484	S	S	70	65
Corn, Golden Bantam	3488	S	S	80	75
Muskmelon, Early Bender	3486	S	S	80	75
Squash, Summer Crookneck	3485	S	S	80	75
D. D. Whittemore, Laconia					
Beet, Detroit Dark Red	3346	S	S	70	65
Cabbage, Copenhagen Market	3351	S	S	80	75
Carrot, Chantenay Long	3350	S	S	60	55
Cucumber, Boston Pickling	3345	S	S	85	80
Lettuce, Black Seeded Simpson	3347	S	S	85	80
Onion, Southport Yellow Globe	3349	S	S	75	70
Pepper, California Wonder	3348	S	S	65	55
Radish, Scarlet Globe	3343	S	S	80	75
Rutabaga, American Purple Top	3342	S	S	80	60
Swiss Chard, Lucullus	3344	S	S	70	65
MERRIMACK FARMERS' EXCHANGE, INC., Concord					
Merrimack Farmers' Exch., Inc., Derry					
Beans, Contender, 3-1-A	3361	S	S		75
Beans, Tenderlong, 3-1-E	3362	S	S		75
Beets, Winter Keeper, 3-1-A	3363	S	S		65
Corn, Golden Hummer, 3-1-A	3360	S	S		75
Corn, Early Yellow Sensation, 3-1-A	3365	S	S		75
Endive, Green Curled, 3-1-A	3359	S	S		70
Tomato, New Hampshire Victor, 27-1AE	3364	S	S		75
Merrimack Farmers' Exch., Inc., Exeter					
Beets, Winter Keeper, 3-1-A	3254	S	S		65
Cabbage, Golden Acre, 3-1-D	3250	S	S		75
Lettuce, A-36, 3-1-E	3252	S	S		80
Onions, Danvers Yellow Globe, 3-1-D	3251	S	S		70
Peppers, Merrimack Wonder, 17-1-A	3253	S	S		55
Squash, Early Prolific Straightneck, 3-2-E	3256	S	S		75
Tomatoes, Stone Improved, 2-1-C	3255	S	S		75
Turnip, American Improved Yellow, 3-1-E	3257	S	S		80
Merrimack Farmers' Exch., Inc., Franklin					
Beans, Flash, 3-1-D	3454	S	S		75
Corn, Golden Bantam Extra Early, 3-1-E	3453	S	S		75
Corn, Early Yellow Sensation, 3-1-A	3455	S	S		75
New Zealand Spinach	3450	S	S		40
Spinach, King of Denmark, 3-1-E	3452	S	S		60
Tomato, Home Garden, 15-1-D	3451	S	S		75
Merrimack Farmers' Exch., Inc., Henniker					
Beans, French Horticultural, 3-1-A	3043	S	S		75
Radishes, Cherry Belle, 3-1-E	3119	S	S		75
Squash, Green Hubbard, 3-1-D	3115	S	S		75
Merrimack Farmers' Exch., Inc., Manchester					
Beans, Red Kidney, 3-2-E	3103	S	S		75
Corn, Golden Bantam Extra Early, 3-1-E	3104	S	S		75
Onion, Danvers Yellow Globe, 3-1-A	3102	S	S		70
Pumpkin, Connecticut Field, 3-1-A	3101	S	S		75
Tomatoes, Home Garden, 3-1-A	3100	S	S		75
Watermelons, New Hampshire Midget, 27-1-A	3099	S	S		70

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MERRIMACK FARMERS' EXCHANGE, INC., Concord			(Note)		
Merrimack Farmers' Exch., Inc., Milford					
Beans, Flash, 3-1-D	3024	S	S	..	75
Cabbage, Danish Ballhead, 3-1-A	3015	S	S	..	75
Corn, Bantam Evergreen, 3-1-E	3019	S	S	..	75
Lettuce, Penn Lake, 3-1-D	3023	S	S	..	80
Squash, Butternut (Colby), 14-1-E	3021	S	S	..	75
Turnips, Purple Top White Globe, 3-1-E	3020	S	S	..	80
N. H. State Hospital Farm, Concord					
Beet, Ohio Canner, 3-1-A	3010	S	59	..	65
Carrot, Chantenay, 3-1-A	3011	S	S	..	55
Carrot, Hutchinson, 3-1-A	3014	S	S	..	55
Parsnip, Hollow Crown	3008	S	S	..	60
Squash, Golden Delicious, 3-1-A	3013	S	S	..	75
Turnip, Purple Top	3012	S	S	..	80
MOREAU'S DEPT. HARDWARE STORE, Manchester					
Moreau's Dept. Hardware Store, Manchester					
Beans, Burpee's Stringless Green Pod	3208	S	S	90	75
Beans, Pencil Pod Black Wax	3209	S	75†	90	75
Corn, Golden Sunshine	3210	S	S	90	75
Peas, Thomas Laxton	3206	S	S	90	80
Peas, Dwarf Telephone	3207	S	69	87	80
MOULTON & GOODWIN, Portsmouth Moulton & Goodwin, Portsmouth					
Beans, King Horticultural	3666	S	S	82	75
Beans, Brittle Wax, 6341	3667	S	S	89	75
Beans, Fava	3672	S	58	85	75
Eggplant, N. H. Hybrid	3674	S	S	55	60
Onion, Yellow Globe Danvers	3671	S	S	90	70
Parsley, Green Moss Curled	3670	S	S	72	60
Parsnip, Hollow Crown	3668	S	S	90	60
Parsnip, All American	3669	S	S	86	60
Swiss Chard, Lucullus	3673	S	S	90	65
NORTHROP, KING & CO., Minneapolis, Minn. W. E. Aubuchon Co., Inc., Milford					
Beans, Dwarf Large White Lima	3025	S	S	70	70
Corn, Stowell's Evergreen	3016	S	S	75	75
Spinach, Bloomsdale	3044	S	S	60	60
Squash, Improved Hubbard	3040	S	S	75	75
Watermelon, Northern Sweet	3017	S	S	70	70
W. E. Aubuchon Co., Inc., Nashua					
Beans, Tendergreen	3041	S	S	75	75
Beans, Pencil Pod Black Wax	3097	S	S	75	75
Corn, Extra Early Golden Bantam	3121	S	S	75	75
Onion, White Bunching	3056	S	S	70	70
Parsnip, Improved Hollow Crown	3059	S	S	60	60
Peas, American Wonder	3120	S	S	80	80
Bemis I.G.A., Walpole Tomato, Rutgers					
	3270	S	67	75	75
Keene Oil Co., Keene					
Beet, Extra Early Flat Egyptian	3123	S	S	65	65
Carrot, Danvers Half Long	3090	S	S	55	55
Corn, Hybrid Blend, 8-row Bantam	3096	S	S	75	75
Peas, Progress	3124	S	S	80	80
Pepper, California Wonder	3068	S	S	55	55
Moreau's Dept. Hardware Store, Manchester					
Beet, Detroit Dark Red	3199	S	S	65	65
Cabbage, Copenhagen Market	3203	S	S	75	75
Carrot, Chantenay Red Cored	3204	S	S	55	55
Casaba, Golden Beauty	3200	S	S	75	75
Kohl Rabi, Early Purple Vienna	3198	S	S	75	75
Parsley, Hamburg or Turnip Rooted	3202	S	S	60	60
Squash, Early Summer Crookneck	3196	S	53	75	75
Squash, Boston Marrow	3205	S	S	75	75
Tomato, Hybrid Minnetonka	3201	S	S	75	75
Turnip, Purple Top White Globe	3197	S	S	80	80

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			Found	Guaran- teed**	N. H. Standard
THE PAGE SEED CO., Greene, N. Y.					
Cass Hardware, Suncook					
Beans, Stringless Green Pod	3644	S	S	85	75
Carrot, Danvers Half Long	3639	S	S	75	55
Corn, Golden Bantam	3643	S	S	85	75
Cucumber, Long Green	3638	S	S	85	80
Colebrook Feed Co., Colebrook					
Corn, Gold Rush, Early Hybrid	3545	S	S	80	75
Onion, Yellow Globe Danvers	3544	S	S	80	70
Squash, Butternut	3541	S	S	85	75
Squash, Table Queen or Acorn	3542	S	S	85	75
Squash, Early Crookneck	3543	S	S	85	75
Goodnow Bros., East Jaffrey					
Beans, Dwarf Hort.	3323	S	S	85	75
Peas, Tall Telephone	3319	S	S	85	80
Peas, Gradus	3320	S	S	90	80
Peas, Dwarf Telephone	3321	S	S	85	80
Peas, Nott's Excelsior	3322	S	S	90	80
Joslin Hardware, Wilton					
Beans, Burpee's Bush Lima	3152	S	S	75	70
Beans, Black Wax	3153	S	S	80	75
Lettuce, Cos or Romaine	3155	S	S	85	80
Radish, French Breakfast	3156	S	S	80	75
Salsify, Mammoth Sandwich Island	3154	S	S	75	75
RICE BRANCH, ASSOCIATED SEED GROWERS, INC., Cambridge, N. Y.					
Bernard Hardware, Jaffrey					
Beet, Early Wonder	3288	S	S	70	65
Carrot, Imperator	3284	S	S	55	55
Lima Beans, Fordhook Bush	3286	S	S	75	70
Parsnip, Hollow Crowned	3287	S	S	65	60
Radish, French Breakfast	3283	S	S	80	75
Swiss Chard, Fordhook Giant	3285	S	S	65	65
Salem Hardware & Paint Co., Salem Depot					
Cabbage, Danish Ballhead	3064	S	S	80	75
Carrot, Danvers Half Long	3092	S	S	55	55
Celery, Golden Self-Blanching	3058	S	S	60	55
Onion, Yellow Globe Danvers	3053	S	S	75	70
Pepper, California Wonder	3049	S	S	65	55
Radish, Early Scarlet Turnip White Tipped	3081	S	S	80	75
J. B. RICE, JR., INC., Shushan, N. Y.					
Fox Hardware, Penacook					
Broccoli, Italian Green Sprouting	3501	S	S	85	75
Corn, Golden Bantam	3498	S	S	82	75
Peas, Toppers	3499	S	S	85	80
Squash, Imp. Green Hubbard	3500	S	75†	85	75
Turnip, Purple Top Strap Leaf	3502	S	S	80	80
Paquette's Market, Manchester					
Beet, Detroit Dark Red	3447	S	S	80	65
Cucumber, Imp. Long Green	3449	S	80†	90	80
Lettuce, Iceberg	3448	S	S	90	80
Onion, Yellow Globe Danvers	3446	S	50.5	70	70
Radish, White Icicle	3445	S	S	85	75
F. B. SPAULDING CO., Lancaster					
F. B. Spaulding Co., Lancaster					
Beans, Bountiful	3529	S	S	90	75
Corn, Early Golden Sunshine	3532	S	S	85	75
Peas, Peter Pan	3533	S	S	85	80
Peas, Blue Bantam	3535	S	S	85	80
SEARS ROEBUCK & CO., Chicago, Ill.					
Sears, Roebuck & Co., Concord					
Beans, Stringless Tenderlong	3116	S	S	80	75
Cabbage, Danish Ballhead	3084	S	S	80	75
Cabbage, Charleston Wakefield	3085	S	S	80	75

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(Note)					
SEARS ROEBUCK & CO., Chicago, Ill.					
Sears, Roebuck & Co., Concord					
Carrot, Chanticleer	3089	S	S	55	55
Corn, Calumet	3078	S	S	85	75
Cucumber, Marketer	3069	S	S	80	80
Onion, Southport White Globe	3071	S	S	75	70
Onion, Asgrow Y-40	3075	S	S	75	70
Parsnip, Hollow Crown	3060	S	S	65	60
Radish, White Icicle	3109	S	S	80	75
Tomato, Ponderosa	3055	S	S	80	75
Sears, Roebuck & Co., Nashua					
Carrot, Imperator	3094	S	S	55	55
Cauliflower, Early Snowball	3065	S	S	75	75
Cucumber, Chicago Pickling	3076	S	S	80	80
Muskmelon, Improved Hale's Best	3051	S	S	80	75
Squash, Yellow Summer Crookneck	3050	S	S	80	75
Turnip, Purple Top Strap Leaf	3061	S	S	80	80
STERLING SEED CO., Minneapolis, Minn.					
M. H. Fishman Co., Keene					
Beans, Stringless Black Valentine	3098	S	S		75
Beets, Early Wonder or Crosby's Egyptian	3086	S	S		65
Cabbage, Danish Ballhead	3083	S	S		75
Carrot, Chantenay	3088	S	S		55
Carrot, Imp. Danvers Half Long	3093	S	S		55
Corn, Hybrid Blend, 12-row Bantam	3122	S	S		75
Cucumber, Straight Eight	3077	S			80
Cucumber, Imp. White Spine	3195	S	73.5		80
Landau Stores, Inc., Laconia					
Beans, Pencil Pod Black Wax	3358	1951	S	75	75
Cabbage, Late Flat Dutch	3356	1951	S	75	75
Carrot, Imp. Danvers Half Long	3354	1952	S	55	55
Corn, Extra Early Golden Bantam	3353	1952	S	75	75
Lettuce, Black Seeded Simpson	3355	1951	S	80	80
Peas, Little Marvel	3352	1952	S	80	80
Pepper, California Wonder	3357	1951	S	55	55
F. H. WOODRUFF & SONS, INC., Milford, Conn.					
General Mills, Inc., Exeter					
Beans, Lowe's Champion	3625	S	S	80	75
Beans, Bountiful	3626	S	S	90	75
Beans, Red Kidney	3627	S	S	79	75
Beet, Detroit Dark Red	3624	S	S	86	65
Corn, Bantam	3621	S	S		75
Corn, Golden Cross Bantam	3623	S	S	85	75
Peas, World's Record	3622	S	31	80	80
Merrimack Farmers' Exch., Inc., Concord					
Carrot, Imp. Long Orange, 39192	3000	S	S	80	55
Corn, Early Golden Market	2996	S	S	86	75
Corn, Golden Sunshine	2997	S	S	87	75
Corn, Hybrid Carmelcross	2999	S	S	90	75
Corn, Marcross Hybrid	3001	S	S	90	75
Corn, Extra Early Bantam	3002	S	S	90	75
Corn, Stowell's Evergreen	3003	S	S	80	75
Cucumber, Straight Eight	2998	S	S	90	80
Squash, Blue Hubbard	2994	S	S	90	75
Neal Hardware, Madbury					
Beans, Dwarf Hort.	3459	S	S	85	75
Beans, Low's Champion	3460	S	S	88	75
Corn, Golden Sunshine	3457	S	S	86	75
Corn, Marcross	3461	S	S	90	75
Peas, World's Record	3458	S	S	88	80
Peas, Laxton's Progress	3462	S	S	90	80
Silsby & Johnson, Newport					
Beans, Kentucky Wonder Pole	3405	S	S	90	75
Beans, Dwarf Green	3406	S	S	80	75
Beans, Dwarf Wax	3407	S	S	90	75

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(Note)					
Silsby & Johnson, Newport					
Corn, Hybrid	3403	S	S	93	75
Corn, Sweet Yellow	3404	S	S	96	75
Lettuce, Iceberg	3412	S	S	89	80
Peas, Thomas Laxton	3408	S	S	85	80
Peas, Hundredfold	3409	S	S	96	80
Peas, Nott's Excelsior	3410	S	S	90	80
Squash, Blue Hubbard	3411	S	S	90	75
S. D. WOODRUFF & SONS, INC., Orange, Conn.					
Bibeau Hardware, Keene					
Cauliflower, Snowball	3066	S	S	80	75
Cucumber, Improved White Spine	3052	S	S	80	80
Lettuce, Prizehead or Bronze Leaf	3067	S	S	85	80
Watermelon, New Hampshire Midget	3082	S	S	80	70
Checkerboard Feed Store, Concord					
Beet, Early Wonder	3087	S	S	75	65
Cabbage, Early Jersey Wakefield	3063	S	S	80	75
Carrot, Danvers Half Long	3091	S	S	75	55
Mustard, Southern Giant Curled	3057	S	S	75	75
Parsnip, Hollow Crown	3062	S	S	75	60
New Zealand Spinach	3054	S	S	50	40
Onion, Yellow Globe Danvers	3072	S	70†	80	70
Onion, White Portugal	3073	S	70.5†	80	70
Onion, Riverside Sweet Spanish	3074	S	S	70	70
Tomato, Marglobe	3114	S	S	75	75
Littleton Hardware, Littleton					
Beans, Pencil Pod Black Wax	3605	S	S	90	75
Beans, Bush Stringless Tendergreen	3607	S	S	80	75
Beans, Kentucky Wonder Pole	3609	S	S	90	75
Beans, Bush Golden Wax	3613	S	S	85	75
Beet, Detroit Dark Red	3604	S	S	90	65
Corn, Golden Bantam	3611	S	S	90	75
Corn, Golden Sunshine	3614	S	S	90	75
Peas, Thomas Laxton	3606	S	S	90	80
Peas, Telephone	3608	S	65	85	80
Peas, Laxton's Progress	3610	S	S	88	80
Swiss Chard, Lucullus	3612	S	S	80	65
Westboro Hardware, West Lebanon					
Asparagus, Mary Washington	3564	S	S	70	70
Beet, Good for All	3567	S	S	75	65
Cucumber, Marketer	3568	S	S	80	80
Cucumber, Early Cluster	3569	S	S	80	80
Kale, Dwarf Green Curled	3570	S	S	75	75
Pepper, Hot Hungarian Yellow Wax	3565	S	S	60	55
Radish, Cherry Belle	3566	S	S	85	75
YOUNG'S HARDWARE, Exeter					
Young's Hardware, Exeter					
Carrot, Danvers Half Long	3301	S	S	58	55
Cucumber, Imp. Long Green	3302	S	S	90	80
Lettuce, N. Y.	3300	S	S	90	80
Squash, Summer	3299	S	S	90	75

It is presumed that the following samples of seed were carried over by the dealer from the previous season; hence, the name of the wholesaler is omitted:

Burnham & Morrill Co., Pittsfield					
Corn, Hybrid, Seneca Golden 1210 L	3633	12/1950	S	98	75
Corn, Early Golden Hybrid No. 3	3634	None	S	..	75
Corn, Seneca Golden 1218	3635	11/1948	65	95	75
Corn, Burncross XP 39	3636	None	S	..	75
Corn, Belgold Medium Round, 51837	3637	None	S	..	75
Merrinack Farmers' Exch., Inc., Concord					
Parsnip, Hollow Crown	2995	None	S	..	60
H. C. Metcalf, Alstead					
Beet, Early Wonder	3307	2/1951	S	87	65

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